

Part I (due at the beginning of class Tuesday, September 1)

To get back into some calculus mindset, read [Section 1 in Active Calculus](#). You don't need to complete all the activities, just the preview activity as listed in the Reading Questions below.

Please record these 3 parts for Part I:

- (a) Your responses to the reading questions below.
- (b) Your own questions/comments on the reading.
- (c) The amount of time you spent on Part I (including the time spent reading).

Reading Question(s)

1. Preview Activity 1.1.1.

Part II: Problems (due at the beginning of class Tuesday, September 9)

1. Write a full, detailed solution to one of the other problems (besides the water in cups one) from the purple sheet that we worked on in class Tuesday and Thursday.

Work to ensure that your solution could be well understood by a classmate, using illustrations, tables, etc., as appropriate. After your solution, also write a brief reflection on your problem-solving and solution-writing process for this problem: what things did you try that didn't work out? Where did you get stuck? What was easy to explain and what was hard to explain? What general problem solving approaches did you use that you could apply in other situations as well?

Colloquium Reminder

Math and Science Colloquium is on (most) Tuesdays from 11:30–12:20 in the South End Dining Hall. On Tuesday, September 1, Professor Eli Knapp and I will give a brief recap of our sabbaticals in Spring 2026 and answer questions about our sabbaticals and sabbaticals in general. You are welcome to come, and if you do come and write a paragraph about what you learned and what was surprising to you, you can earn an extra token.